342/357.05

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US OCR Full-Text Database

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IBM Technical Disclosure Bulletins

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Search History

DATE: Wednesday, June 20, 2007 Purge Queries Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=B	EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR		
<u>L16</u>	((mov\$ or mobile) adj2 object\$) and ((continu\$ or spatial\$ or mov\$) adj2 quer\$)	5	<u>L16</u>
DB=F	PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=Y	ES;	
OP = OR			
<u>L15</u>	L14 and (mobile\$ with data\$ with manag\$) and "spatial-temporal index"	0	<u>L15</u>
<u>L14</u>	112 or L13	56	<u>L14</u>
<u>L13</u>	((mov\$ or mobile) adj2 object\$) and ((continu\$ or spatial\$ or mov\$) adj2 quer\$) and @pd<=20031103	3	<u>L13</u>
<u>L12</u>	((mov\$ or mobile) adj2 object\$) and ((continu\$ or spatial\$ or mov\$) adj2 quer\$) and @ad<=20031103	56	<u>L12</u>
DB=U	USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
<u>L11</u>	L8 and (mov\$ with object\$) and (mov\$ with quer\$)	0	<u>L11</u>
<u>L10</u>	L8 and (mov\$ adj2 object\$) and (mov\$ adj2 quer\$)	. 0	<u>L10</u>

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L8 and L1	0	<u>L9</u>
L4 or L5 or L6	4	<u>L8</u>
L1 and internet\$	4	<u>L7</u>
7010522.pn.	1	<u>L6</u>
6289334.pn. or 6711563.pn.	2	<u>L5</u>
5915251.pn.	1	<u>L4</u>
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L1 and (mov\$ with object\$ with quer\$)	0	<u>L3</u>
L1 and ((mov\$ adj2 object\$) with (mov\$ adj2 quer\$))	0	<u>L2</u>
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	L4 or L5 or L6 L1 and internet\$ 7010522.pn. 6289334.pn. or 6711563.pn. 5915251.pn. =PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; THES=ASSIGNEE; PLUR=YES; PR	L4 or L5 or L6 L1 and internet\$ 7010522.pn. 6289334.pn. or 6711563.pn. 5915251.pn. =PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; THES=ASSIGNEE; PLUR=YES; R L1 and (mov\$ with object\$ with quer\$) L1 and ((mov\$ adj2 object\$) with (mov\$ adj2 quer\$))

END OF SEARCH HISTORY

Hit List

First Hit Clear Generate Collection Print Ewd Refs Bkwd Refs Generate OACS

Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: CN 1892656 A, US 20060287984 A1

L16: Entry 1 of 5

File: DWPI

Jan 10, 2007

DERWENT-ACC-NO: 2007-198168

DERWENT-WEEK: 200731

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TITLE: Range query method for data stream processing system, involves building range query index based on range queries using one or more virtual constructs

Title Citation Front Review Classification Date Reference Claims Counce Councer Counce

DERWENT-ACC-NO: 2006-410695

DERWENT-WEEK: 200682

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TITLE: Moving object management apparatus through spatiotemporal data integration and information control and moving object management method using the same for reducing management cost

Title Citation Front Review Classification Cate Reference Classification Cate Reference Claims Colaims Colaims

DERWENT-ACC-NO: 2005-383143

DERWENT-WEEK: 200539

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Moving queries evaluating method for moving object e.g. car, involves creating object index for each moving object and query index for each moving query using bounding box, and evaluating queries periodically using query index

4. Document ID: US 20050071083 A1, CN 1603749 A

L16: Entry 4 of 5

File: DWPI

Mar 31, 2005

DERWENT-ACC-NO: 2005-294474

DERWENT-WEEK: 200644

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TITLE: Continual queries monitoring method for use in mobile environment, involves identifying preset geographical area in digital format, covering area by shingles, and establishing object identification list for objects e.g. human

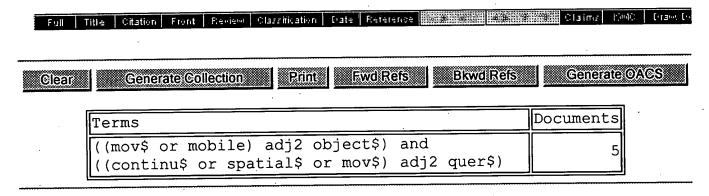
Full Title Citation Front Review Classification Date Reference 5. Document ID: EP 1104151 A2, CN 1298269 A, JP 2001216065 A May 30, 2001 L16: Entry 5 of 5 File: DWPI

DERWENT-ACC-NO: 2001-419821

DERWENT-WEEK: 200157

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Operating method of mobile station e.g. cellular radio telephones, involves displaying list of options that are available for selected application in response to input from user



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L16: Entry 1 of 5

File: DWPI

Jan 10, 2007

DERWENT-ACC-NO: 2007-198168

DERWENT-WEEK: 200731

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Range query method for data stream processing system, involves building range query index based on range queries using one or more virtual constructs

INVENTOR: CHEN, S; WU, K; YU, P S

PATENT-ASSIGNEE: IBM CORP (IBMC), INT BUSINESS MACHINES CORP (IBMC)

PRIORITY-DATA: 2005US-0155221 (June 17, 2005)

Search Selected Search ALL

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE MAIN-IPC

PAGES

January 10, 2007 CN 1892656 A

000 G06F017/30

US 20060287984 A1

December 21, 2006

019 G06F017/30

APPLICATION-DATA:

PUB-NO

APPL-DATE

APPL-NO

DESCRIPTOR

CN 1892656A

June 16, 2006

2006CN-A092854

US20060287984A1

June 17, 2005

2005US-0155221

INT-CL (IPC): G06F 17/30

ABSTRACTED-PUB-NO: US20060287984A

BASIC-ABSTRACT:

NOVELTY - A range query index is built based on one or more range queries using one or more virtual constructs such that the query index is adaptive to changes in the distribution of range query sizes.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) method of evaluating continual range queries;
- (2) range query apparatus;
- (3) apparatus for evaluating continual range queries;
- (4) stored software.

USE - For data stream processing in applications such as mobile computing, location

sensing applications, location aware applications and services for delivering relevant, timely and engaging content and information to targeted customers.

ADVANTAGE - Indexing <u>continual range queries</u> over <u>moving objects</u> provides for efficient data stream processing, enabling to provide location aware services and applications efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the data stream processing system.

ABSTRACTED-PUB-NO: US20060287984A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1A/8

DERWENT-CLASS: T01

EPI-CODES: T01-J05B3; T01-S03;

Previous Doc Next Doc Go to Doc#

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☐ Generate Collection Print

L16: Entry 2 of 5 File: DWPI Jan 26, 2006

DERWENT-ACC-NO: 2006-410695

DERWENT-WEEK: 200682

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: $\underline{\text{Moving object}}$ management apparatus through spatiotemporal data integration and information control and $\underline{\text{moving object}}$ management method using the same for

reducing management cost

INVENTOR: KIM, D H; KIM, J S; LEE, H A; LEE, H J; RYU, K H

PATENT-ASSIGNEE: ELECTRONICS & TELECOM RES INST (ELTEN)

PRIORITY-DATA: 2003KR-0083566 (November 24, 2003)

Search:Selected Search:ALL Glear

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE PAGES MAIN-IPC

APPLICATION-DATA:

PUB-NO APPL-DATE APPL-NO DESCRIPTOR

KR 546799B1 November 24, 2003 2003KR-0083566

KR 546799B1 KR2005049822 Previous Publ.

KR2005049822A November 24, 2003 2003KR-0083566

INT-CL (IPC): G08G 1/127

ABSTRACTED-PUB-NO: KR2005049822A

BASIC-ABSTRACT:

NOVELTY - A moving object management apparatus through spatiotemporal data integration and information control and a moving object management method using the same are provided to reduce a management cost by effectively collecting/converting/integrating real-time location data of a moving object.

DETAILED DESCRIPTION - A location data integration and conversion unit collects and integrates location data of a <u>moving object</u> and converts the integrated data to a coordinate system. A <u>moving object query</u> processing unit(103) receives and analyzes a user query using a <u>moving object query</u>, determines executing orders, and calls execution operations. A <u>moving object</u> information provision unit provides a <u>moving object</u> index management function, an uncertainty processing function for supporting a location search process of time intervals which are not stored in a <u>moving object</u> database(107), and a <u>moving object</u> calculation function. A <u>moving object</u> data storage unit analyzes the integrated location data and stores the analyzed result

into the moving object database(107).

ABSTRACTED-PUB-NO: KR2005049822A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/1

DERWENT-CLASS: T01

EPI-CODES: T01-J05B3; T01-J05B4M;

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L16: Entry 3 of 5

File: DWPI

May 5, 2005

DERWENT-ACC-NO: 2005-383143

DERWENT-WEEK: 200539

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TITLE: Moving queries evaluating method for moving object e.g. car, involves creating object index for each moving object and query index for each moving query using bounding box, and evaluating queries periodically using query index

INVENTOR: GEDIK, B; WU, K; YU, P S

PATENT-ASSIGNEE: GEDIK B (GEDII), WU K (WUKKI), YU P S (YUPSI)

PRIORITY-DATA: 2003US-0700168 (November 3, 2003)

Search Selected Search ALL Clear

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

US 20050096841 A1

May 5, 2005

017

G01C021/00

APPLICATION-DATA:

PUB-NO

APPL-DATE

APPL-NO

DESCRIPTOR

US20050096841A1

November 3, 2003

2003US-0700168

INT-CL (IPC): G01C 21/00; G01C 21/26

ABSTRACTED-PUB-NO: US20050096841A

BASIC-ABSTRACT:

NOVELTY - The method involves constructing a bounding box to contain moving objects and moving queries. An object index is created for each object, and a query index is created for each query, using the box. The moving queries are periodically evaluated using the query index to determine which moving object to include in each moving query evaluation. Location information and motion information are received for each object and query.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (A) a computer readable medium containing a computer executable code that when read by a computer causes the computer to perform a method of evaluating moving queries over moving objects
- (B) a system for evaluating moving queries over moving objects.

USE - Used for evaluating <u>moving queries</u> over a <u>moving object</u> e.g. car, airplane, cargo ship, stock price, distributed sensor reading for environmental surveillance

including temperature and pressure, and public health data such as a number of sick people and a type of illness.

ADVANTAGE - The method evaluates the queries periodically using the query index to determine which <u>moving object</u> to include in each <u>moving query</u> evaluation, thus reducing demands on computational resources. The use of the query index and object index provides efficient evaluation and reduced costs.

DESCRIPTION OF DRAWING(S) - The drawing shows a flow chart illustrating a moving object table scan.

ABSTRACTED-PUB-NO: US20050096841A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.7/8

DERWENT-CLASS: T01

EPI-CODES: T01-J05A; T01-J05B1; T01-J05B3; T01-J07; T01-S03;

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L16: Entry 3 of 5

File: DWPI

May 5, 2005

DERWENT-ACC-NO: 2005-383143

DERWENT-WEEK: 200539

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TITLE: Moving queries evaluating method for moving object e.g. car, involves creating object index for each moving object and query index for each moving query using bounding box, and evaluating queries periodically using query index

INVENTOR: GEDIK, B; WU, K; YU, P S

PATENT-ASSIGNEE: GEDIK B (GEDII), WU K (WUKKI), YU P S (YUPSI)

PRIORITY-DATA: 2003US-0700168 (November 3, 2003)

Search/Selected Search/ALL Clear

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

US 20050096841 A1

May 5, 2005

017

G01C021/00

APPLICATION-DATA:

PUB-NO

APPL-DATE

APPL-NO

DESCRIPTOR

US20050096841A1

November 3, 2003

2003US-0700168

INT-CL (IPC): G01C 21/00; G01C 21/26

ABSTRACTED-PUB-NO: US20050096841A

BASIC-ABSTRACT:

NOVELTY - The method involves constructing a bounding box to contain moving objects and moving queries. An object index is created for each object, and a query index is created for each query, using the box. The moving queries are periodically evaluated using the query index to determine which moving object to include in each moving query evaluation. Location information and motion information are received for each object and query.

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- (B) a system for evaluating moving queries over moving objects.

USE - Used for evaluating moving queries over a moving object e.g. car, airplane, cargo ship, stock price, distributed sensor reading for environmental surveillance

including temperature and pressure, and public health data such as a number of sick people and a type of illness.

ADVANTAGE - The method evaluates the queries periodically using the query index to determine which <u>moving object</u> to include in each <u>moving query</u> evaluation, thus reducing demands on computational resources. The use of the query index and object index provides efficient evaluation and reduced costs.

DESCRIPTION OF DRAWING(S) - The drawing shows a flow chart illustrating a moving object table scan.

ABSTRACTED-PUB-NO: US20050096841A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.7/8

DERWENT-CLASS: T01

EPI-CODES: T01-J05A; T01-J05B1; T01-J05B3; T01-J07; T01-S03;

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End of Result Set

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L16: Entry 5 of 5

File: DWPI

May 30, 2001

DERWENT-ACC-NO: 2001-419821

DERWENT-WEEK: 200157

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TITLE: Operating method of mobile station e.g. cellular radio telephones, involves displaying list of options that are available for selected application in response to input from user

INVENTOR: HELLE, S; KILJANDER, H; KRAFT, C; PIRSKANEN, H; SILFVERBERG, M;

TOKKONEN, T; VALTONEN, T; WIKBERG, H

PATENT-ASSIGNEE: NOKIA MOBILE PHONES LTD (OYNO)

PRIORITY-DATA: 1999US-0444917 (November 24, 1999)

Search Selected	Search ALL	Clear
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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1104151 A2	May 30, 2001	E	034	H04M001/725
CN 1298269 A	June 6, 2001		000	H04Q007/32
JP 2001216065 A	August 10, 2001		023	G06F003/00

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 1104151A2	November 21, 2000	2000EP-0310340	
CN 1298269A	November 24, 2000	2000CN-0128369	
JP2001216065A	November 24, 2000	2000JP-0358307	•

INT-CL (IPC): G06F 3/00; H04M 1/00; H04M 1/247; H04M 1/725; H04Q 7/32; H04Q 7/38

ABSTRACTED-PUB-NO: EP 1104151A

BASIC-ABSTRACT:

NOVELTY - Mobile station with user interface (11), has display (20) and user input device (22,23). The identification of several applications that the mobile station is capable of executing, is displayed to the user. The input device is operated to select displayed application indications and based on the further input from the user, the list of options that are available for the selected application, are displayed.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for mobile station.

USE - For operating mobile stations such as cellular radio telephones, personal communicators that operate with digital wireless network.

ADVANTAGE - Provides improved user interface for mobile station that provides one hand operation of manipulator to gain access to and interact with all applications. Provides mobile station object handling method in which menu of functions operable in context of currently displayed object is displayed and enables the user to activate selected function by editing, copying, moving and making a query.

DESCRIPTION OF DRAWING(S) - The figure shows the several display screens and examples of selection list.

User interface 11

Display 20

Input device 22,23

ABSTRACTED-PUB-NO: EP 1104151A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.5/19

DERWENT-CLASS: W01 W02

EPI-CODES: W01-B05A1A; W01-C02B7D; W02-C03C1A;

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Results for "'query index' <and> 'bounding box' <and>('moving object' <or> 'mobile objec..."

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		Check to search only within this results set
» Key		Display Format: Citation & Abstract
IEEE JNL	IEEE Journal or Magazine	
IET JNL	IET Journal or Magazine	view selected items Select All Deselect All
IEEE CNF	IEEE Conference Proceeding	1. Tracking Nearest Surrounders in Moving Object Environments
IET CNF	IET Conference Proceeding	Lee, K.C.K.; Schiffman, J.; Baihua Zheng; Wang-Chien Lee; Hong va Leong, 2006 ACS/IEEE International Conference on Pervasive Services
IEEE STD	IEEE Standard	June 26-29, 2006 Page(s):3 - 12 AbstractPlus Full Text: PDF(396 KB) IEEE CNF Rights and Permissions
		2. MobiEyes: A Distributed Location Monitoring Service Using Moving Loca Gedik, B.; Ling Liu; Mobile Computing, IEEE Transactions on Volume 5, Issue 10, Oct. 2006 Page(s):1384 - 1402 Digital Object Identifier 10.1109/TMC.2006.153
		AbstractPlus Full Text: PDF(2760 KB) IEEE JNL Rights and Permissions
	· .	3. Processing moving queries over moving objects using motion-adaptive in Gedik, B.; Kun-Lung Wu; Yu, P.S.; Ling Liu; Knowledge and Data Engineering, IEEE Transactions on Volume 18, Issue 5, May 2006 Page(s):651 - 668 Digital Object Identifier 10.1109/TKDE.2006.81 AbstractPlus Full Text: PDF(4136 KB) IEEE JNL Rights and Permissions

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- Combine search queries using AND, OR, or NOT
- Delete a search
- Run a search

Search Query Display

10/700,168



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- -~query index~~ <and> ~~bounding box~~ <and> (~~moving object~~ <or> ~~mobile object~~) <and> (~~moving queries~~ <or> ~~continual queries~~ <or> ~~spatial queries~~) <in> pdfdata
- ---query index-- <and> ---bounding box-- <and>(~-moving object-- <or> ---mobile object---) <and> (~-moving queries-- <or> ---continual queries--- <or> ---spatial queries---) <in> pdfdata

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Search Results - Record(s) 1 through 10 of 56 returned.

☐ 1. Document ID: US 20060085370 A1

L14: Entry 1 of 56

File: PGPB

Apr 20, 2006

PGPUB-DOCUMENT-NUMBER: 20060085370

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060085370 A1

TITLE: System for identifying data relationships

PUBLICATION-DATE: April 20, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Groat; Robert

Valley Lee

MD

US

Armstrong; Kate

Mystic

CT

US

US-CL-CURRENT: 707/1

Full Title Citation Front Review	Classification Date	Reference	Sequences	Attachmenta	Claims	15000	Craw D-
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☐ 2. Document ID: US 200	50096841 A1						
1.14. Entry 2 of 56		File:	PGPB		May	5,	2005

PGPUB-DOCUMENT-NUMBER: 20050096841

PGPUB-FILING-TYPE: new

L14: Entry 2 of 56

DOCUMENT-IDENTIFIER: US 20050096841 A1

TITLE: System and method for evaluating moving queries over moving objects

PUBLICATION-DATE: May 5, 2005

INVENTOR-INFORMATION:

COUNTRY STATE CITY NAME US GA Atlanta Gedik, Bugra NY US Yorktown Heights Wu, Kun-Lung NY US Chappaqua Yu, Philip Shi-Lung

US-CL-CURRENT: 701/207; 342/357.07

Title Citation Front Review Classification Date Reference

☐ 3. Document ID: US 20050071321 A1

L14: Entry 3 of 56

File: PGPB

Mar 31, 2005

PGPUB-DOCUMENT-NUMBER: 20050071321

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050071321 A1

TITLE: System and method for monitoring events against continual range queries

PUBLICATION-DATE: March 31, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Chen, Shyh-Kwei Chappaqua NY US Wu, Kun-Lung Yorktown Heights NY US Yu, Philip Shi-Lung Chappaqua NY US

US-CL-CURRENT: 707/3

Full	Title Citation	Front	Review	Classification	(+ate	Reference	Sequences	Attachments	Claims	150010	[Halot [H

☐ 4. Document ID: US 20050071083 A1

L14: Entry 4 of 56

File: PGPB

Mar 31, 2005

PGPUB-DOCUMENT-NUMBER: 20050071083

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050071083 A1

TITLE: Method and structure for monitoring moving objects

PUBLICATION-DATE: March 31, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Chen, Shyh-Kwei Chappaqua NY US

Wu, Kun-LungYorktown HeightsNYUSYu, Philip Shi-LungChappaquaNYUS

US-CL-CURRENT: 701/213; 455/456.1

Full Title Cit:	ition Front	Review	Classification	Cate	Reference	Sequences	Attachments	Claims	10000	Etrano, (ve

☐ 5. Document ID: US 20050054290 A1

L14: Entry 5 of 56

File: PGPB

Mar 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050054290

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050054290 A1

TITLE: Rules based methods and apparatus for generating notification messages based

on the proximity of electronic devices to one another

PUBLICATION-DATE: March 10, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Logan, James D. Candia NH US
Logan, Brian Monroe CT US

US-CL-CURRENT: 455/41.2; 455/456.1

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims 1000 Graw Communication Document ID: US 20040203852 A1

L14: Entry 6 of 56 File: PGPB Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040203852

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040203852 A1

TITLE: System for delivering location-based notifications and method thereof

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Janakiraman, Pradeep Tamil Nadu IN

US-CL-CURRENT: 455/456.1; 455/141, 455/458

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims Full Date Company Company

PGPUB-DOCUMENT-NUMBER: 20040198398

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040198398 A1

TITLE: System and method for detecting proximity between mobile device users

PUBLICATION-DATE: October 7, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Amir, Arnon

Saratoga

CA

US

Efrat, Alon

Tucson

ΑZ

US

US-CL-CURRENT: 455/456.6; 455/412.2, 455/456.5

Full	Title	Citation F	ront Review	Classification	Crate	Reference	Sequences	Attachmenta	Claims	F/infi@	Drawt De
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	8.	Document	ID: US 20	040117358	A 1						
L14:	Entr	y 8 of 56	5			File: P	GPB		Jun	17,	2004

PGPUB-DOCUMENT-NUMBER: 20040117358

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040117358 A1

TITLE: Method, system, and program for an improved enterprise spatial system

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
von Kaenel, Tim A.	Coto de Caza	CA	US
Dyrnaes, David Neil	Newport Coast	CA	US .
Kumar, C. Suresh	Ladera Ranch	CA	US
Wayman, Jared Paul	Laguna Niguel	CA	US
Goodwin, Jonathan David	Laguna Niguel	CA	US
Trivelpiece, Craig Evan	Newport Beach	CA	US
Mihalich, Joseph	Rancho Santa Margarita	CA	US
Jenkins, Anthony Page	Aliso Viejo	CA	US
Odom,, Richard Hoyt JR.	Charlottesville	VA	US
Stier, Mark Andrew	Laguna Neguel	CA	US
Obee, Anne Janetta	Santa Ana	CA	US ·

US-CL-CURRENT: 707/3

Full	Titl∈	Citation	Front	Review	Classification	Date	Reference	Sequences	.Attachmente	Claims	j(m)0	[1]366, [1
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	9.]	Documen	nt ID:	US 20	030122657	' A1						

PGPUB-DOCUMENT-NUMBER: 20030122657

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030122657 A1

TITLE: Officiating system

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Hodsdon, Kelly P.

Aloha

OR

US

Colson, Bill

Portland

OR

US

US-CL-CURRENT: 340/323R

Full	Title Citation	Front	Review	Classification	Date	Reference	Sequences	Attachmenta	Claims	K)0000	(trans (t.
7 (21)	inte chance	i i rivit	17.2 (17.2)	0.1023/1102/1011		mereranoe		, 100000111101100	21011112		

☐ 10. Document ID: US 20030113009 A1

L14: Entry 10 of 56

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030113009

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030113009 A1

TITLE: System and method for confirming electrical connection defects

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

COUNTRY NAME CITY STATE Loveland CO US Mueller, Horst Bhalla, Sunit Ft. Collins CO US Kanack, Kris Loveland CO US Loveland CO US Oresjo, Stig

US-CL-CURRENT: 382/147

Full	Title	Citation	Front	Review	Classification	(•ate	Reference	Sequences	Attachmenta	Claims	15000	[43mc
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Search Results - Record(s) 11 through 20 of 56 returned.

☐ 11. Document ID: US 20020097893 A1

L14: Entry 11 of 56

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020097893

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020097893 A1

TITLE: Apparatus and method for generating object-labeled image in video sequence

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME KR Kyungki-do Lee, Seong-Deok Kyungki-do KR Kim, Chang-Yeong KR Seoul Kim, Ji-Yeon KR Kyungki-do Kim, Sang-Kyun KR Moon, Young-Su Seoul KR Park, Doo-Sik Kyungki-do

US-CL-CURRENT: 382/103; 382/190

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachmenta	Olaima	[[nob]	France for
	12.	Docum	ent II): US 2	.002008757	0 A1	· ·					
		y 12 of					File:	PGPB		Jul	4,	2002

PGPUB-DOCUMENT-NUMBER: 20020087570

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020087570 A1

TITLE: Space and time information system and method

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Jacquez, Geoffrey M. Ann Arbor MI US

Kaufmann, Andrew Ann Arbor MI US

US-CL-CURRENT: <u>707/100</u>; <u>707/1</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims 10mC Frank to

☐ 13. Document ID: US 20020057283 A1

L14: Entry 13 of 56

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020057283

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020057283 A1

TITLE: Region modeling of mobile services

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Biswas, Prabuddha Nashua NH US Chatterjee, Raja Nashua NH US

Han, Song Nashua NH US

US-CL-CURRENT: <u>715/700</u>; <u>707/1</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims 10000 Frank In-

☐ 14. Document ID: US 20020032697 A1

L14: Entry 14 of 56

File: PGPB

Mar 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020032697

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020032697 A1

TITLE: Time inheritance scene graph for representation of media content

PUBLICATION-DATE: March 14, 2002

INVENTOR-INFORMATION:

STATE COUNTRY CITY NAME

French, Michael T. Newburyport US

Robotham, John S. Belmont MA US

US-CL-CURRENT: 715/500.1

Full Title Citation Front Review Classification Date Reference Sequenced Attachments Claims

☐ 15. Document ID: US 20010032268 A1

L14: Entry 15 of 56

File: PGPB

Oct 18, 2001

PGPUB-DOCUMENT-NUMBER: 20010032268

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010032268 A1

TITLE: Distribution of motion control commands over a network

PUBLICATION-DATE: October 18, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Brown, David W.

Bingen

WA

US

Clark, Jay S.

Bingen .

WA

US

US-CL-CURRENT: <u>709/230</u>

Full	Title	Citation	Front	Review	Classification	€ate	Reference	Sequences	Attachmenta	Claime	15000	Errann, Er

☐ 16. Document ID: US 7107285 B2

L14: Entry 16 of 56

File: USPT

Sep 12, 2006

US-PAT-NO: 7107285

DOCUMENT-IDENTIFIER: US 7107285 B2

TITLE: Method, system, and program for an improved enterprise spatial system

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040117358 A1

June 17, 2004

Full Title Citation Front Review C	lazzification Crate Reference	Claims DOMC Craw Co
☐ 17. Document ID: US 704	5787 B1	
L14: Entry 17 of 56	File: USPT	May 16, 2006

US-PAT-NO: 7045787

DOCUMENT-IDENTIFIER: US 7045787 B1

** See image for <u>Certificate of Correction</u> **

TITLE: Density detection using real time discrete photon counting for fast moving targets

Full	Title	Citation	Front	Review	Classification	Date	Reference	. je k ok 03 03.	Claims	100000	Franctive
										*	

☐ 18. Document ID: US 7024020 B2

L14: Entry 18 of 56

File: USPT

Apr 4, 2006

US-PAT-NO: 7024020

DOCUMENT-IDENTIFIER: US 7024020 B2

TITLE: Apparatus and method for generating object-labeled image in video sequence

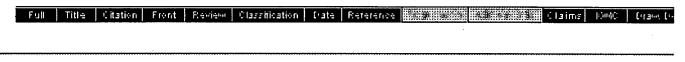
PRIOR-PUBLICATION:

DOC-ID

DATE

US 20020097893 A1

July 25, 2002



☐ 19. Document ID: US 7005970 B2

L14: Entry 19 of 56

File: USPT

Feb 28, 2006

US-PAT-NO: 7005970

DOCUMENT-IDENTIFIER: US 7005970 B2

TITLE: Officiating system

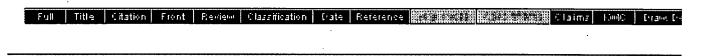
PRIOR-PUBLICATION:

DOC-ID

DATE

US 20030122657 A1

July 3, 2003



☐ 20. Document ID: US 6996402 B2

L14: Entry 20 of 56

File: USPT

Feb 7, 2006

US-PAT-NO: 6996402

DOCUMENT-IDENTIFIER: US 6996402 B2

TITLE: Rules based methods and apparatus for generating notification messages based

on the proximity of electronic devices to one another

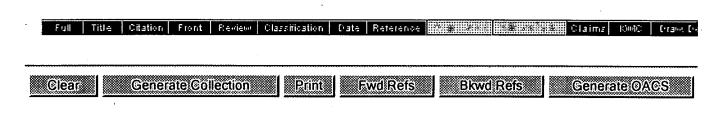
PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050054290 A1

March 10, 2005



Terms	Documents
L12 or L13	56

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Search Results - Record(s) 21 through 30 of 56 returned.

☐ 21. Document ID: US 6970871 B1

L14: Entry 21 of 56

File: USPT

Nov 29, 2005

US-PAT-NO: 6970871

DOCUMENT-IDENTIFIER: US 6970871 B1

TITLE: System and method of sorting information based on a location of a mobile

station

Full Title Citation Front Review Classification Date Reference ☐ 22. Document ID: US 6954764 B2 Oct 11, 2005 L14: Entry 22 of 56 File: USPT

US-PAT-NO: 6954764

DOCUMENT-IDENTIFIER: US 6954764 B2

TITLE: Region modeling of mobile services

Full Title Citation Front Review Classification Date Reference Company ☐ 23. Document ID: US 6941543 B1

L14: Entry 23 of 56

File: USPT

Sep 6, 2005

US-PAT-NO: 6941543

DOCUMENT-IDENTIFIER: US 6941543 B1

** See image for Certificate of Correction **

TITLE: Motion control system and method

Full Title Citation Front Review Classification Date Reference Communication Claims Full Draw De

☐ 24. Document ID: US 6895329 B1

L14: Entry 24 of 56

File: USPT

May 17, 2005

US-PAT-NO: 6895329

DOCUMENT-IDENTIFIER: US 6895329 B1

TITLE: Method and system for querying in a moving object database

Full Title Citation Front Review Classification Date Reference

☐ 25. Document ID: US 6853744 B2

L14: Entry 25 of 56

File: USPT

Feb 8, 2005

US-PAT-NO: 6853744

DOCUMENT-IDENTIFIER: US 6853744 B2

TITLE: System and method for confirming electrical connection defects

☐ 26. Document ID: US 6845322 B1

L14: Entry 26 of 56

File: USPT

Jan 18, 2005

US-PAT-NO: 6845322

DOCUMENT-IDENTIFIER: US 6845322 B1

TITLE: Method and system for distributed navigation

Full Title Citation Front Review Classification Date Reference Fig. 1995 Claims 1996 Fram. (-

☐ 27. Document ID: US 6801850 B1

L14: Entry 27 of 56

File: USPT

Oct 5, 2004

US-PAT-NO: 6801850

DOCUMENT-IDENTIFIER: US 6801850 B1

TITLE: Method and system for tracking moving objects

Full Title Citation Front Review Classification Date Reference **2008 See Bally Claims** Chaire Kindo Draw. D-

☐ 28. Document ID: US 6742037 B1

L14: Entry 28 of 56

File: USPT

May 25, 2004

US-PAT-NO: 6742037

DOCUMENT-IDENTIFIER: US 6742037 B1

TITLE: Method and apparatus for dynamic information transfer from a mobile target to a fixed target that tracks their relative movement and synchronizes data between

them

☐ 29. Document ID: US 6631271 B1

L14: Entry 29 of 56

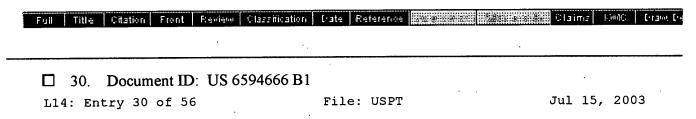
File: USPT

Oct 7, 2003

US-PAT-NO: 6631271

DOCUMENT-IDENTIFIER: US 6631271 B1

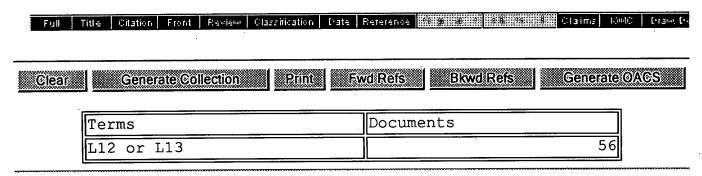
TITLE: Rules based methods and apparatus



US-PAT-NO: 6594666

DOCUMENT-IDENTIFIER: US 6594666 B1

TITLE: Location aware application development framework



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Search Results - Record(s) 31 through 40 of 56 returned.

☐ 31. Document ID: US 6516236 B1

L14: Entry 31 of 56

File: USPT

Feb 4, 2003

US-PAT-NO: 6516236

DOCUMENT-IDENTIFIER: US 6516236 B1

TITLE: Motion control systems

Full Title Citation Front Review Classification Date Reference **Fig. 1988** Claims College Coll

☐ 32. Document ID: US 6513058 B2

L14: Entry 32 of 56

File: USPT

Jan 28, 2003

US-PAT-NO: 6513058

DOCUMENT-IDENTIFIER: US 6513058 B2

TITLE: Distribution of motion control commands over a network

Full Title Citation Front Review Classification Date Reference Fig. 1998 Fig. 1998 Claims 1998 Draw D

☐ 33. Document ID: US 6507025 B1

L14: Entry 33 of 56

File: USPT

Jan 14, 2003

US-PAT-NO: 6507025

DOCUMENT-IDENTIFIER: US 6507025 B1

TITLE: Density detection using real time discrete photon counting for fast moving

targets

Full Title Citation Front Review Classification Date Reference (1997) Full Title Citation Front Review Classification Date Reference

☐ 34. Document ID: US 6505194 B1

L14: Entry 34 of 56

File: USPT

Jan 7, 2003

US-PAT-NO: 6505194

DOCUMENT-IDENTIFIER: US 6505194 B1

TITLE: Search user interface with enhanced accessibility and ease-of-use features based on visual metaphors

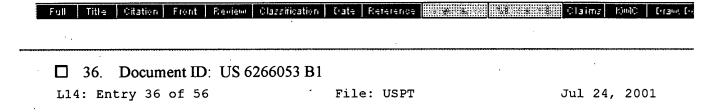
Full Title Citation Front Review Classification Date Reference Claims Claims DMC Craw Co.

35. Document ID: US 6285378 B1
L14: Entry 35 of 56 File: USPT Sep 4, 2001

US-PAT-NO: 6285378

DOCUMENT-IDENTIFIER: US 6285378 B1

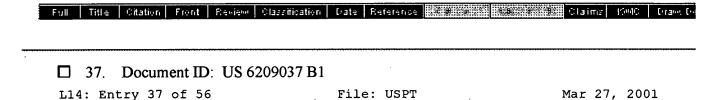
TITLE: Method and apparatus for span and subspan sorting rendering system



US-PAT-NO: 6266053

DOCUMENT-IDENTIFIER: US 6266053 B1

TITLE: Time inheritance scene graph for representation of media content



US-PAT-NO: 6209037

DOCUMENT-IDENTIFIER: US 6209037 B1

** See image for Certificate of Correction **

TITLE: Motion control systems using communication map to facilitating communication with motion control hardware

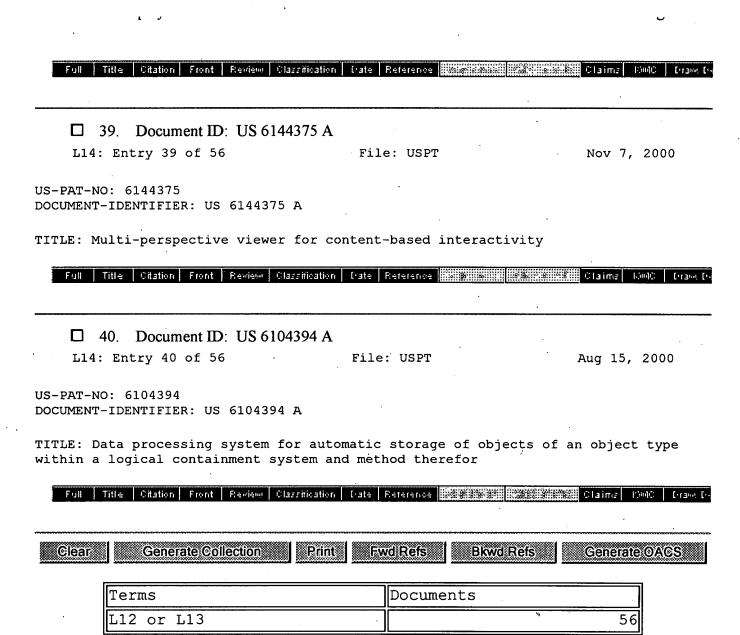
Full Title Citation Front Review Cla	azzitication Crate Reference	Claims 1900 Fram D
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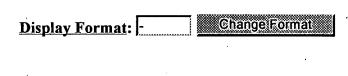
☐ 38. Document ID: US 6144	4996 A	
L14: Entry 38 of 56	File: USPT	Nov 7, 2000

US-PAT-NO: 6144996

DOCUMENT-IDENTIFIER: US 6144996 A

TITLE: Method and apparatus for providing a guaranteed minimum level of performance for content delivery over a network





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Generate OACS

Search Results - Record(s) 41 through 50 of 56 returned.

☐ 41. Document-ID: US 5977987 A

L14: Entry 41 of 56

File: USPT

Nov 2, 1999

US-PAT-NO: 5977987

DOCUMENT-IDENTIFIER: US 5977987 A

TITLE: Method and apparatus for span and subspan sorting rendering system

☐ 42. Document ID: US 5936624 A

L14: Entry 42 of 56

File: USPT

Aug 10, 1999

Apr 20, 1999

US-PAT-NO: 5936624

DOCUMENT-IDENTIFIER: US 5936624 A

** See image for Certificate of Correction **

TITLE: Data processing system having a logical containment system and method

therefor

File: USPT

US-PAT-NO: 5896133

DOCUMENT-IDENTIFIER: US 5896133 A

L14: Entry 43 of 56

TITLE: Graphical user interface for navigating between street, hallway, room, and

function metaphors

Full Title Citation Front Review Classification Date Reference Reference Company Compa

☐ 44. Document ID: US 5892520 A

L14: Entry 44 of 56

File: USPT

Apr 6, 1999

US-PAT-NO: 5892520

DOCUMENT-IDENTIFIER: US 5892520 A

TITLE: Picture query system using abstract exemplary motions of a pointing device

Full Title Citation Front Review Classification Date Reference Company ☐ 45. Document ID: US 5867385 A Feb 2, 1999 File: USPT

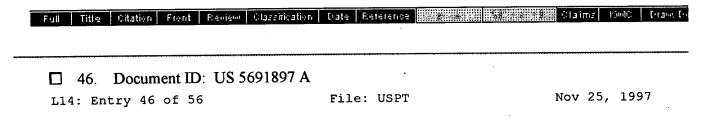
US-PAT-NO: 5867385

DOCUMENT-IDENTIFIER: US 5867385 A

** See image for <u>Certificate of Correction</u> **

TITLE: Motion control systems

L14: Entry 45 of 56

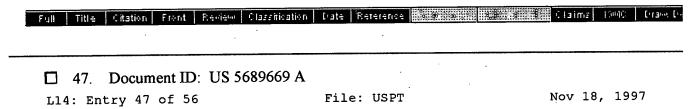


US-PAT-NO: 5691897

DOCUMENT-IDENTIFIER: US 5691897 A

** See image for Certificate of Correction **

TITLE: Motion control systems

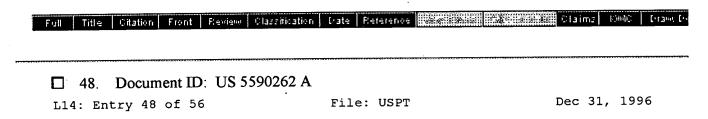


US-PAT-NO: 5689669

DOCUMENT-IDENTIFIER: US 5689669 A

TITLE: Graphical user interface for navigating between levels displaying hallway

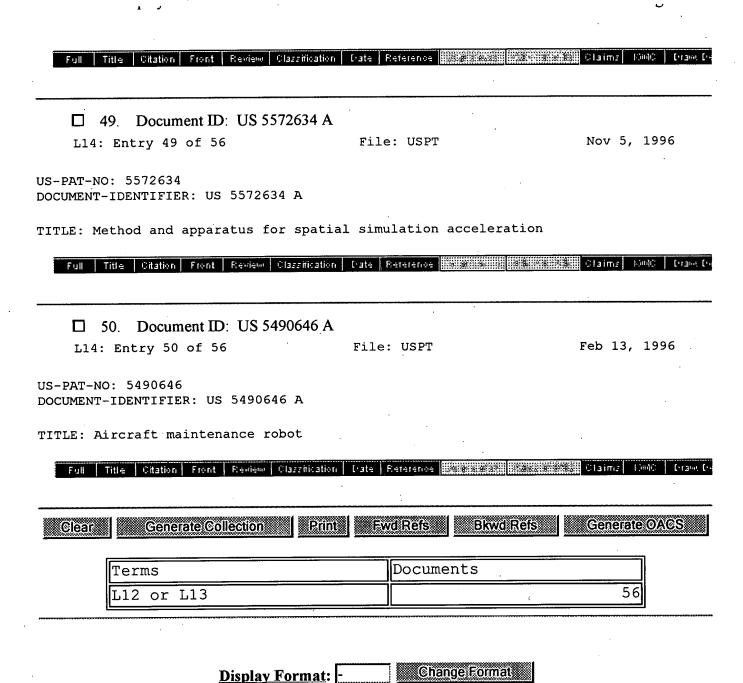
and room metaphors



US-PAT-NO: 5590262

DOCUMENT-IDENTIFIER: US 5590262 A

TITLE: Interactive video interface and method of creation thereof



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Search Results - Record(s) 51 through 56 of 56 returned.

☐ 51. Document ID: US 5318254 A

L14: Entry 51 of 56

File: USPT

Jun 7, 1994

US-PAT-NO: 5318254

DOCUMENT-IDENTIFIER: US 5318254 A

** See image for Certificate of Correction **

TITLE: Aircraft maintenance robot

Full Title Citation Front Review Classification Date Reference

1 32. Document ID. US 3103404 A

L14: Entry 52 of 56

File: USPT

Apr 7, 1992

US-PAT-NO: 5103404

DOCUMENT-IDENTIFIER: US 5103404 A

TITLE: Feedback for a manipulator

Full Title Citation Front Review Classification Date Reference Example Example Claims Code Craw, Co

☐ 53. Document ID: US 4686522 A

L14: Entry 53 of 56

File: USPT

Aug 11, 1987

US-PAT-NO: 4686522

DOCUMENT-IDENTIFIER: US 4686522 A

TITLE: Method of editing graphic objects in an interactive draw graphic system

using implicit editing actions

Full Title Citation Front Review Classification Date Reference Reference Company Claims Kimic Draw, Dr.

☐ 54. Document ID: US 20050096841 A1

L14: Entry 54 of 56

File: DWPI

May 5, 2005

DERWENT-ACC-NO: 2005-383143

DERWENT-WEEK: 200539

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TITLE: Moving queries evaluating method for moving object e.g. car, involves creating object index for each moving object and query index for each moving query using bounding box, and evaluating queries periodically using query index

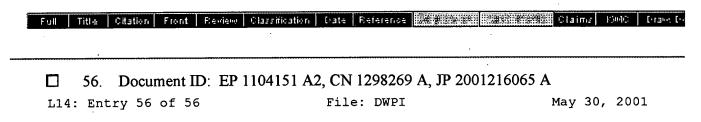
Full Title	Citation	Front	Review	Classification	Date	Reference	a de la prima	8. 8. 99	Claims	10010	[Hand [H
•	Docui			200500710		, CN 16	03749 A		Mar 3	1. 200)5

DERWENT-ACC-NO: 2005-294474

DERWENT-WEEK: 200644

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TITLE: <u>Continual queries</u> monitoring method for use in mobile environment, involves identifying preset geographical area in digital format, covering area by shingles, and establishing object identification list for objects e.g. human

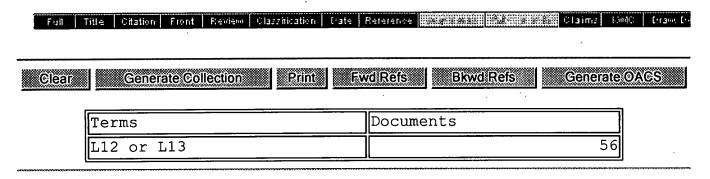


DERWENT-ACC-NO: 2001-419821

DERWENT-WEEK: 200157

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TITLE: Operating method of mobile station e.g. cellular radio telephones, involves displaying list of options that are available for selected application in response to input from user



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